

IN THE CLAIMS

This listing of claims replaces all prior listings and versions of the claims in the present application.

Listing of Claims:

Claims 1-15 (Canceled).

Claim 16 (Currently Amended): A cutting device of a rotary cutting machine, said cutting device comprising:

a gearbox having an upper part, a lower part, and a front piece, said front piece having a thickness greater than a thickness of said upper part,

at least one guide bearing connected to said gearbox by assembly elements and within which a shaft is supported, said guide bearing including a bearing casing to which said upper part is connected, said bearing casing having a greater thickness than said upper part; and

at least one cutting member connected to said gearbox by said guide bearing and driven by said shaft, said cutting member being driven in rotation by said shaft during work about an upwardly directed axis; and

wherein at least one of said assembly elements configured to connect said guide bearing connected to said gearbox is anchored in said front piece of increased thickness.

Claim 17 (Previously Presented): A cutting device as claimed in claim 16, wherein said upper part and said lower part have substantially a same thickness.

Claim 18 (Previously Presented): A cutting device as claimed in claim 16, wherein said upper part and said lower part are joined together at the front of said gearbox by said front piece.

Claim 19 (Previously Presented): A cutting device as claimed in claim 16, wherein said upper part and said lower part are joined together directly at a rear of said gearbox.

Claim 20 (Previously Presented): A cutting device as claimed in claim 17, wherein said upper part and said lower part are made of a same metal sheet.

Claim 21 (Previously Presented): A cutting device as claimed in claim 18, wherein said upper part, said lower part, and said front piece are connected together by welding to create a sealed gearbox.

Claim 22 (Previously Presented): A cutting device as claimed in claim 16, wherein said gearbox encloses transmission elements configured to drive said cutting member in rotation about said axis.

Claim 23 (Previously Presented): A cutting device as claimed in claim 16, wherein said guide bearing is removably connected to said gearbox.

Claim 24 (Previously Presented): A cutting device as claimed in claim 23, wherein said guide bearing is arranged above said gearbox.

Claim 25 (Previously Presented): A cutting device as claimed in claim 16, wherein said assembly element anchored in said front piece comprises a pin comprising a first threaded part and a second threaded part.

Claim 26 (Previously Presented): A cutting device as claimed in claim 25, wherein said first threaded part is configured to be screwed into a tapping made in said front piece.

Claim 27 (Previously Presented): A cutting device as claimed in claim 26, wherein said first threaded part passes through a hole made in said upper part of said gearbox.

Claim 28 (Previously Presented): A cutting device as claimed in claim 25, wherein said pin comprises a collar arranged between said first threaded part and said second threaded part, and said pin additionally comprises a shoulder arranged between said collar and said first threaded part.

Claim 29 (Previously Presented): A cutting device as claimed in claim 28, further comprising an O-ring, said O-ring being slightly flattened during mounting between said collar, said front piece, said shoulder, and said upper part.

Claim 30 (Previously Presented): An agricultural mower, which comprises a cutting device as claimed in claim 16.